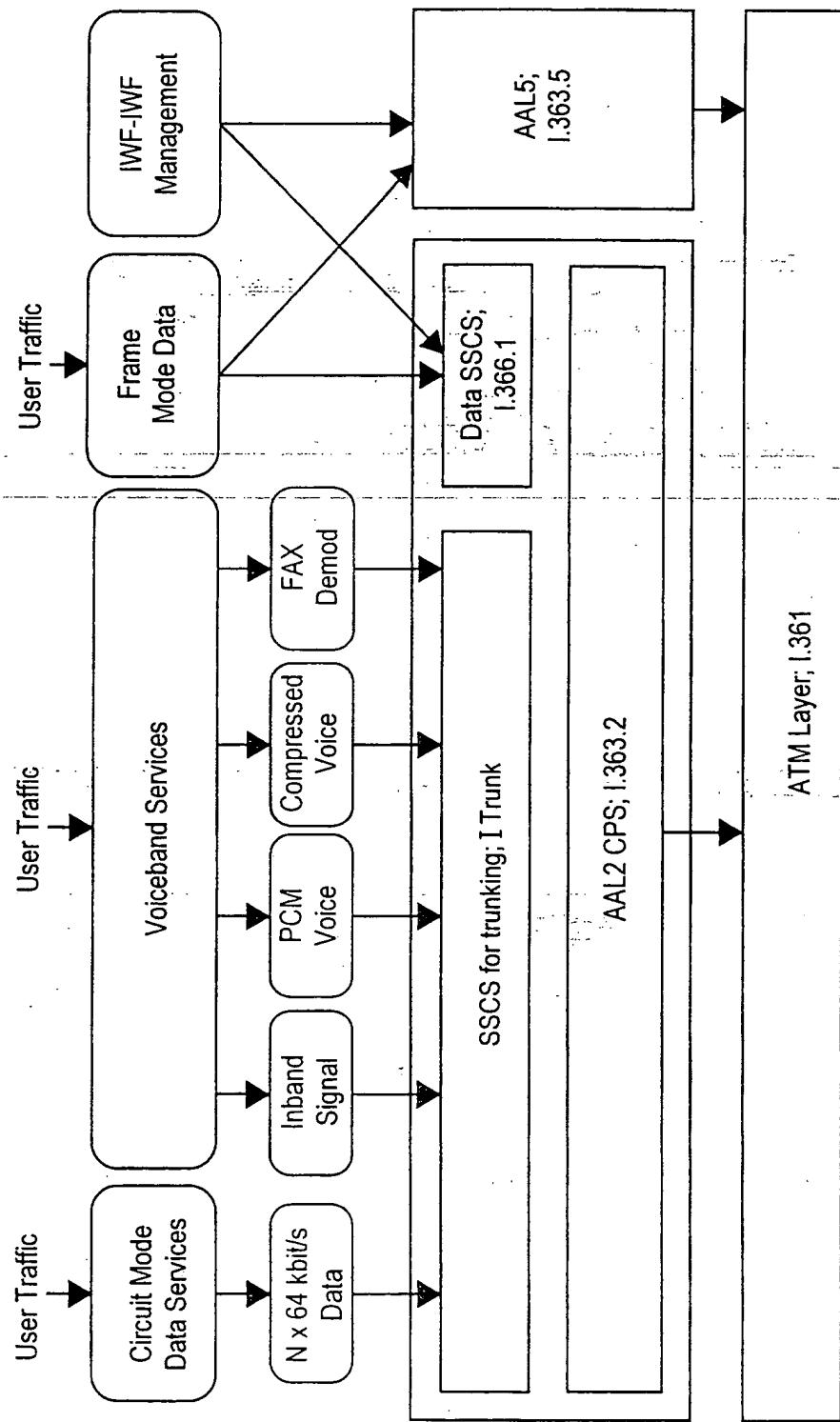
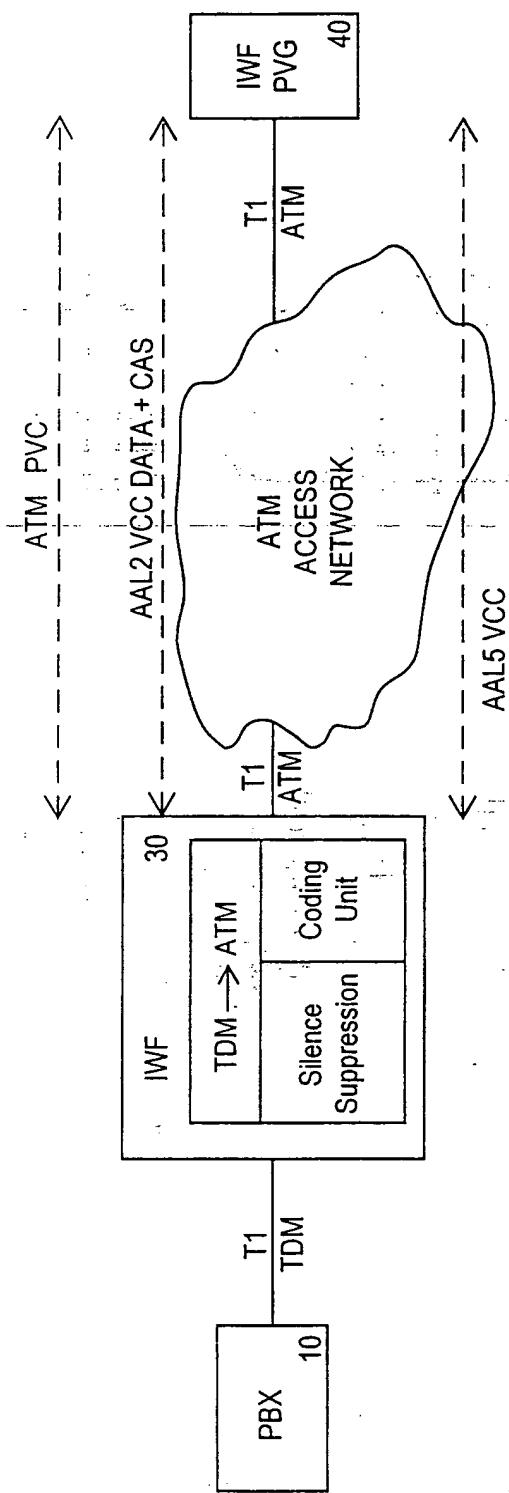


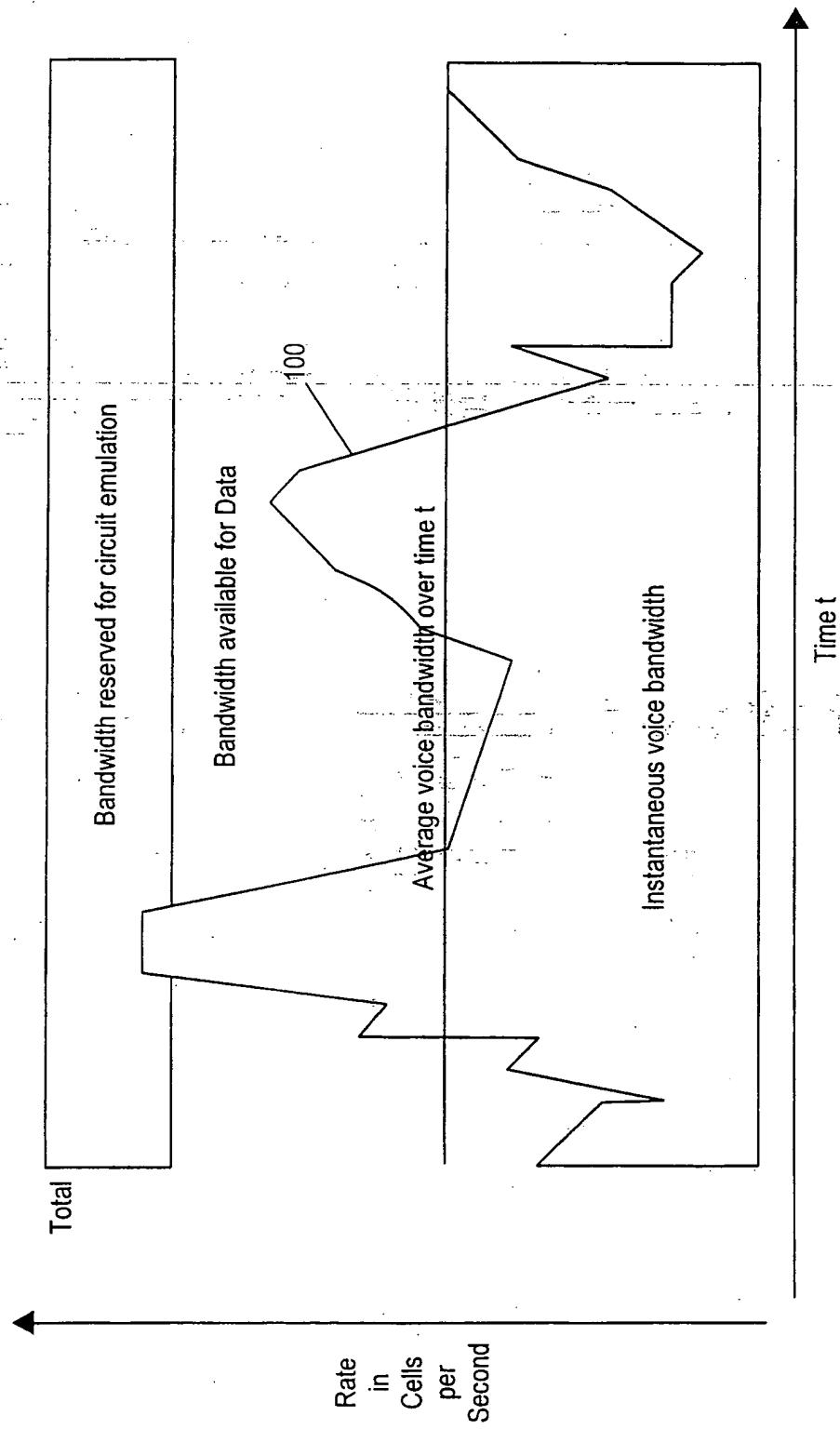
**Fig. 1**



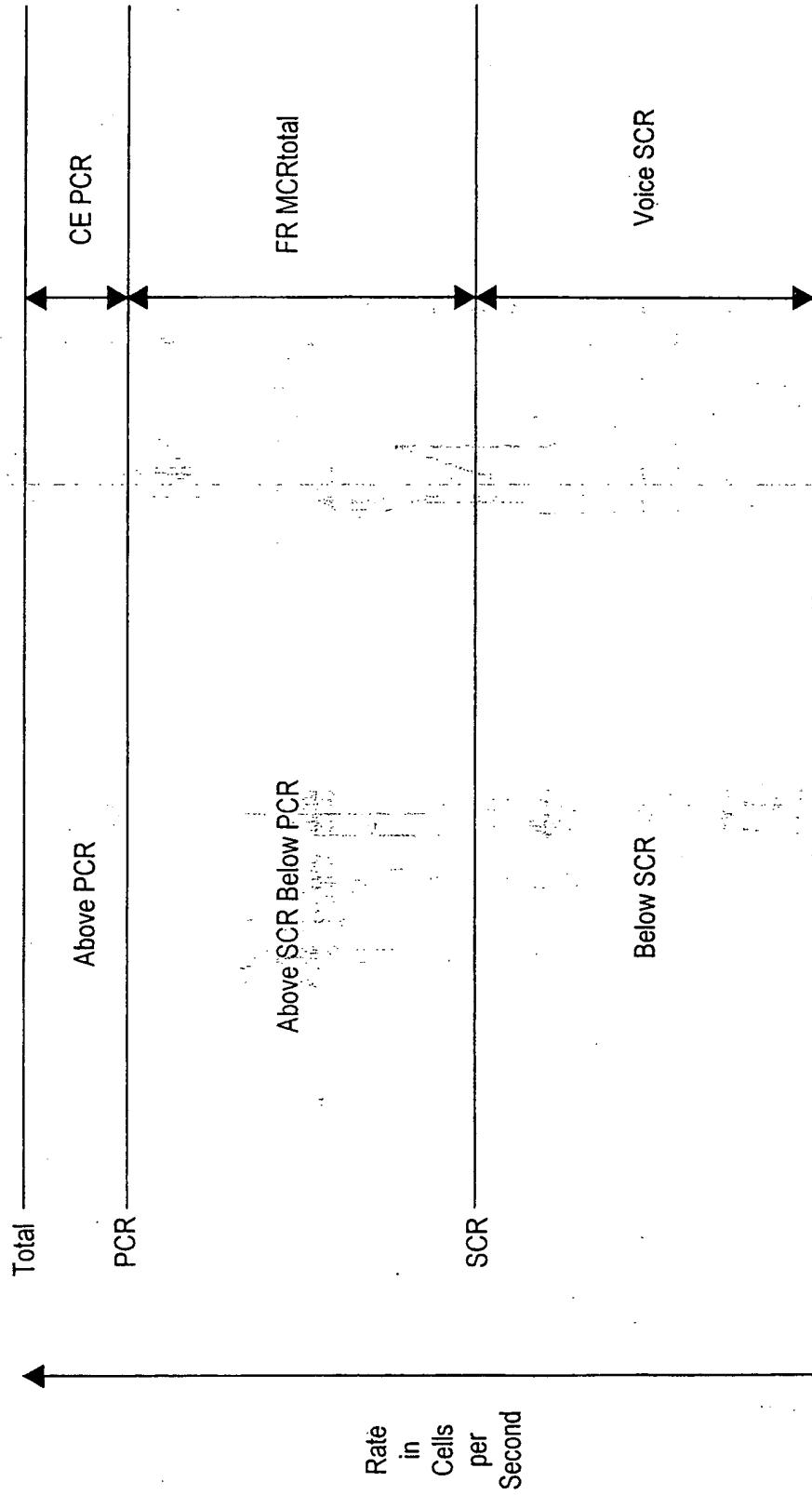
**Fig. 2**

**Fig. 3**





**Fig. 4**



**Fig. 5**

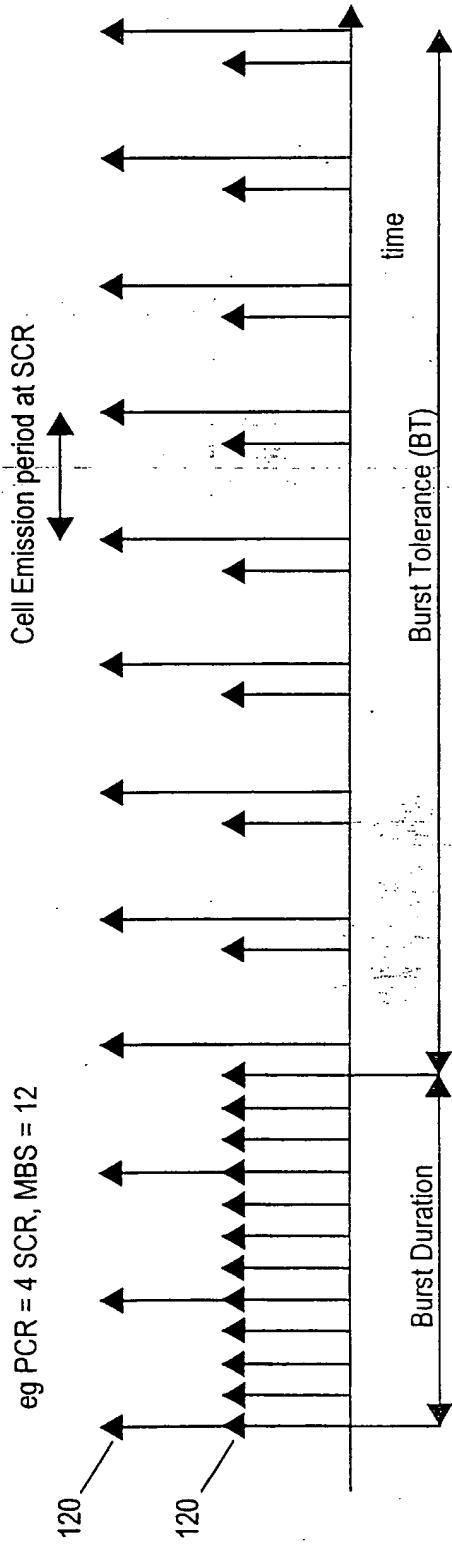


Fig. 6

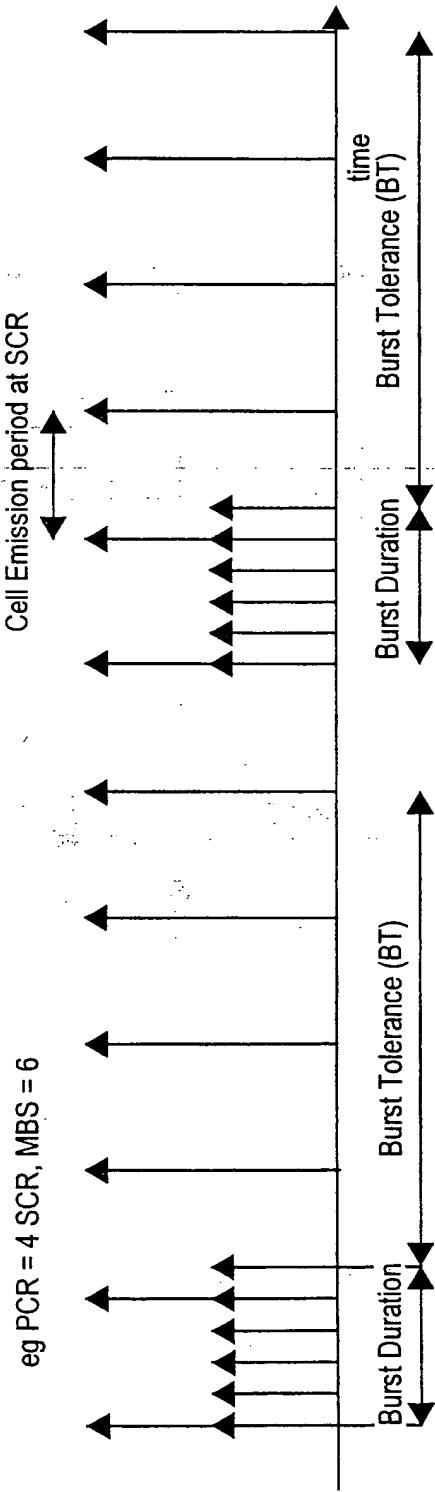
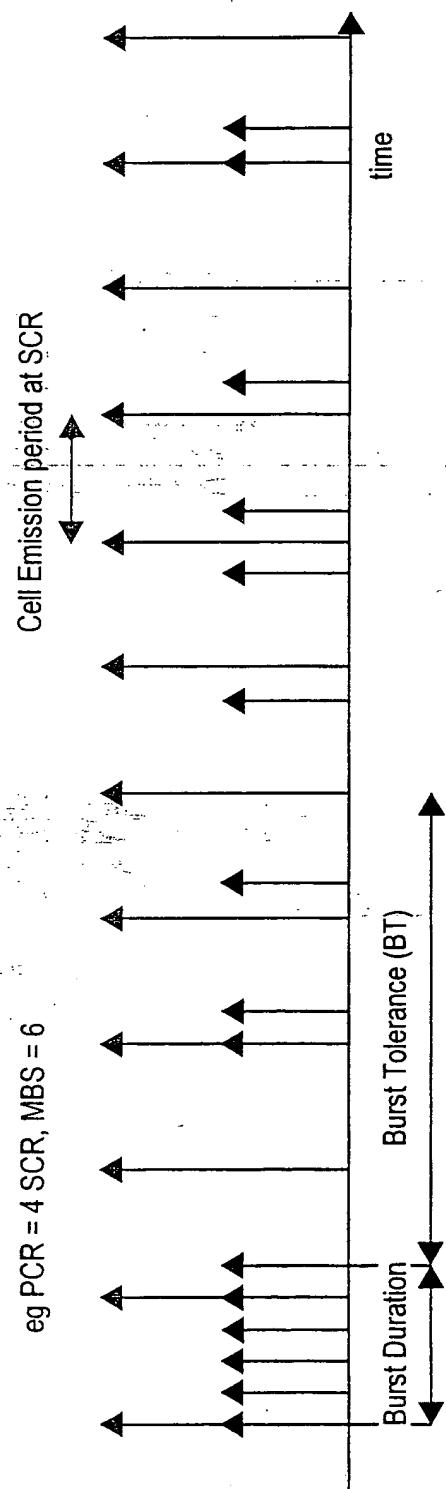


Fig. 7

*Fig. 8*



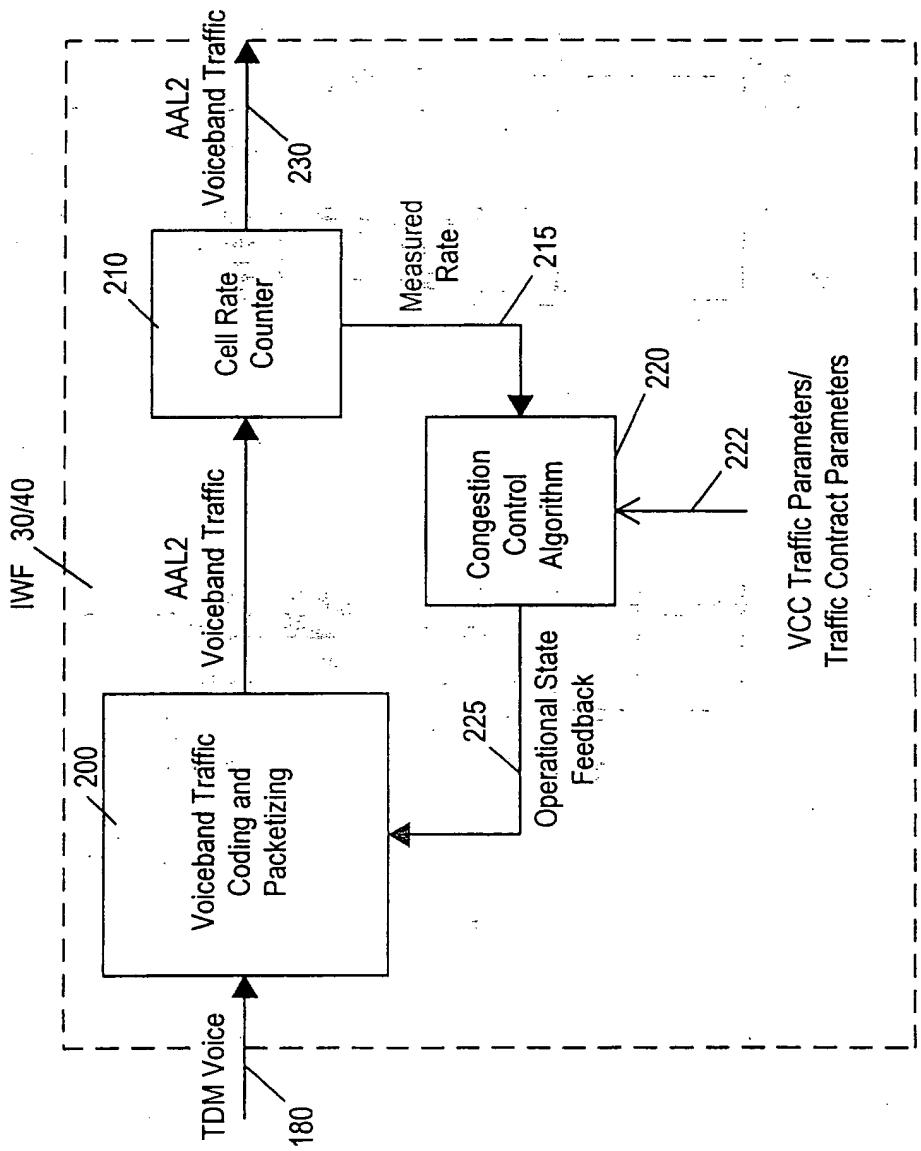
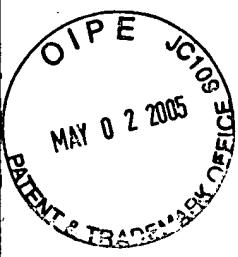
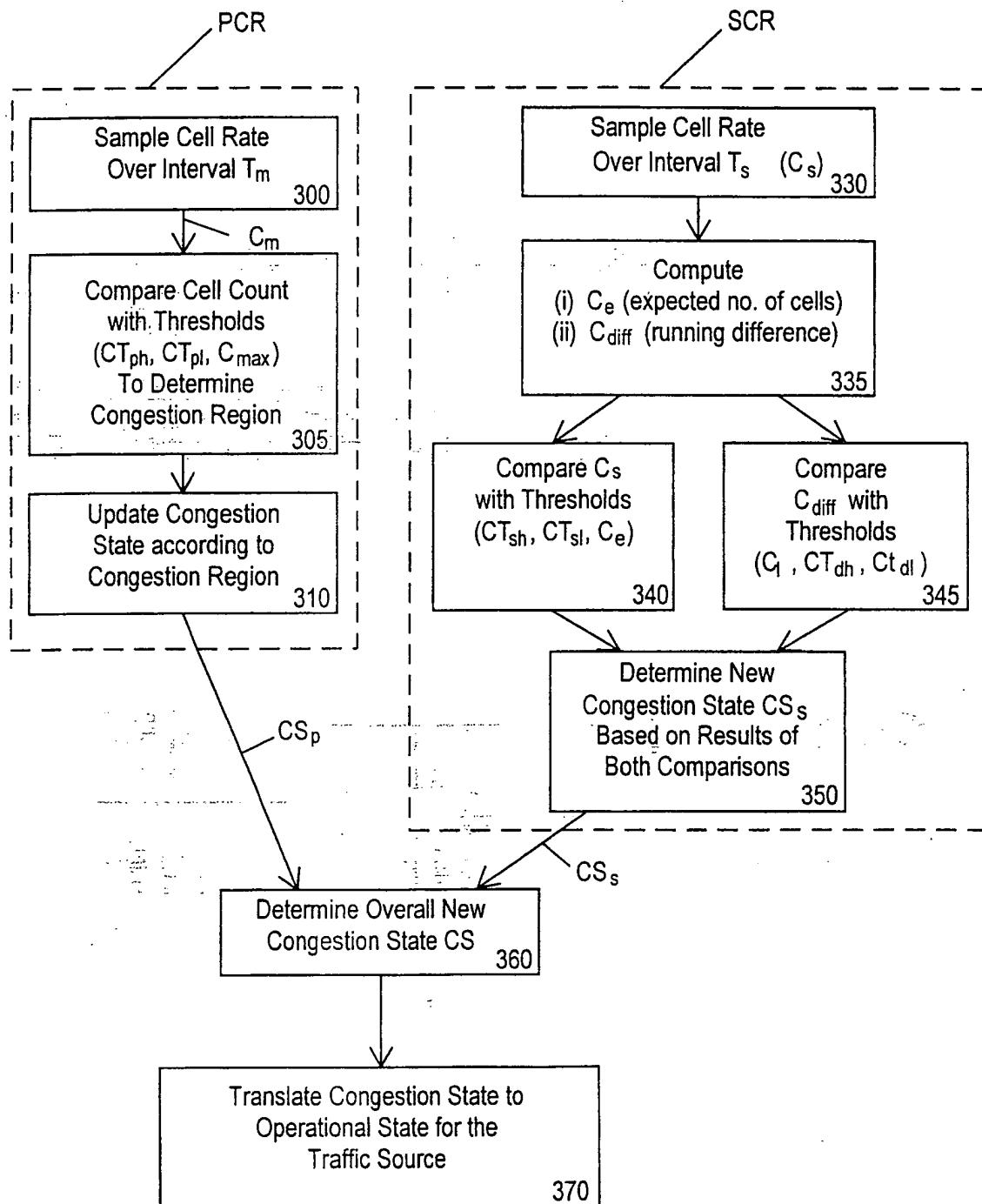
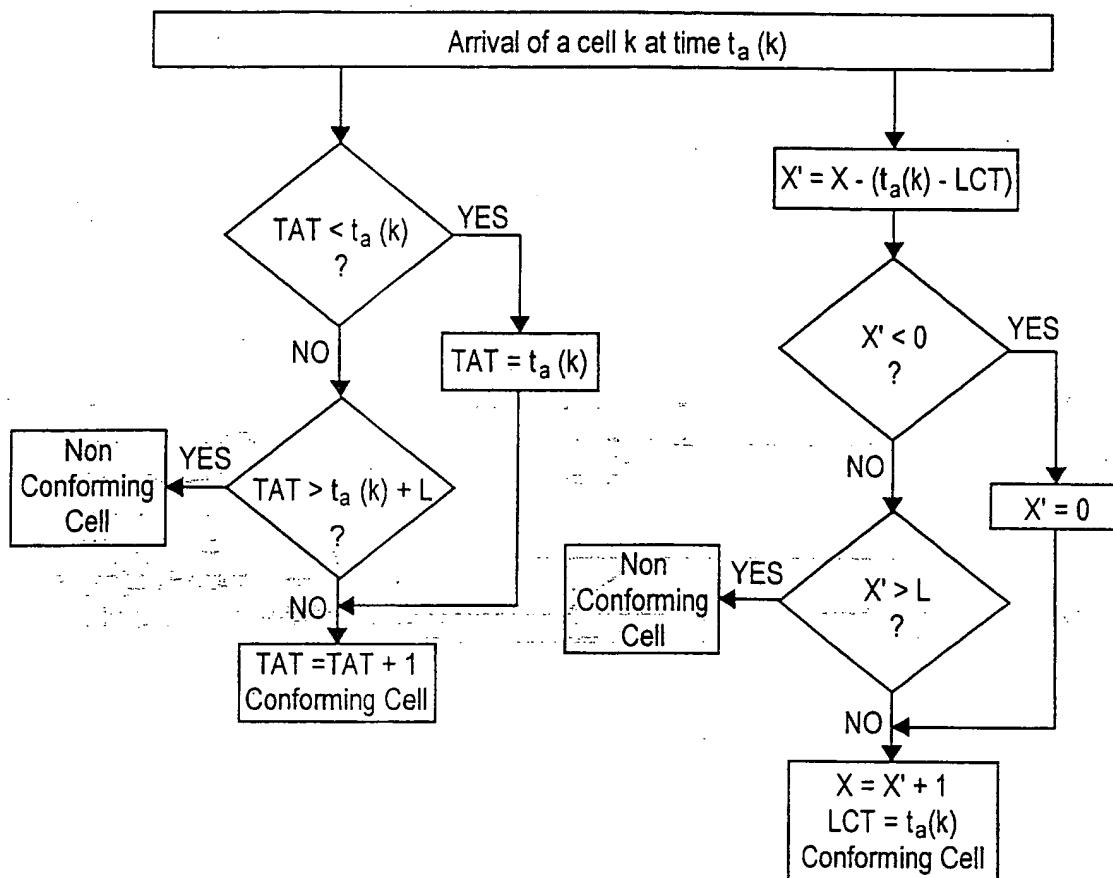


Fig. 9



*Fig.10*



### VIRTUAL SCHEDULING ALGORITHM

TAT Theoretical Arrival Time

$t_a(k)$  Time of Arrival of a cell

### CONTINUOUS-STATE LEAKY BUCKET ALGORITHM

$X$  Value of the Leaky Bucket Counter

$X'$  Auxiliary Variable

LCT Last Compliance Time

I Increment

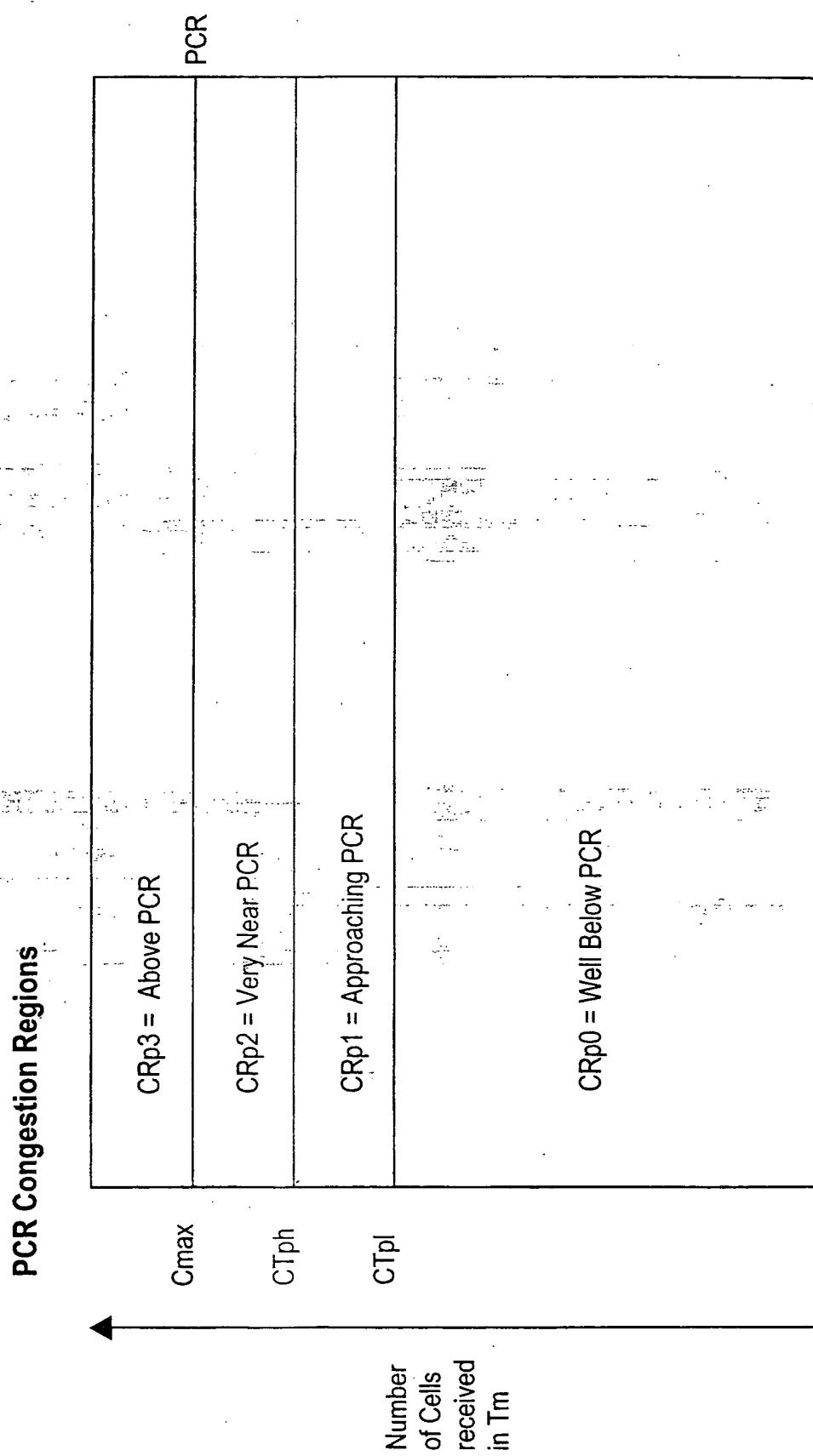
L Limit

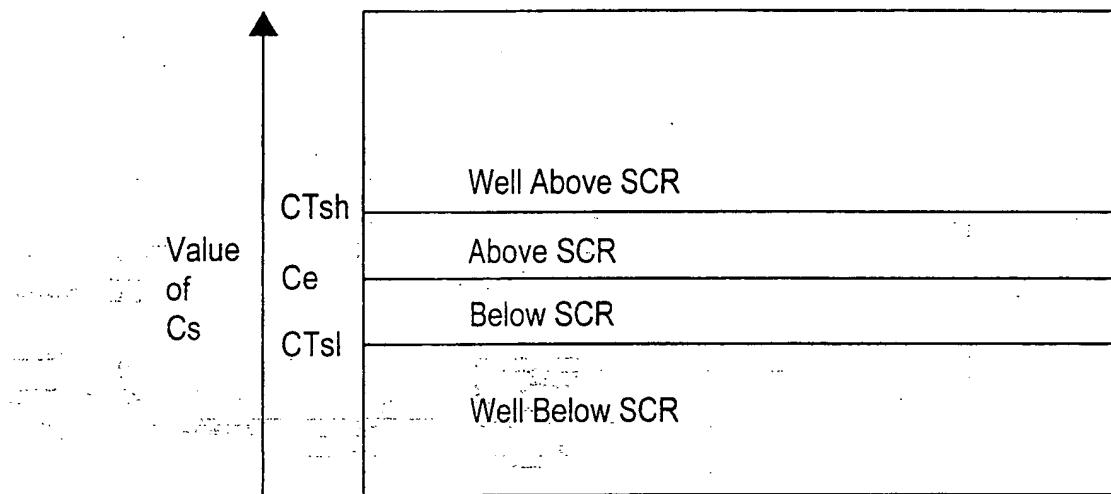
At the time of arrival  $t_a$  of the first cell of the connection,  $TAT = t_a(1)$

At the time of arrival  $t_a$  of the first cell of the connection,  $X = 0$  and  $LCT = t_a(k)$

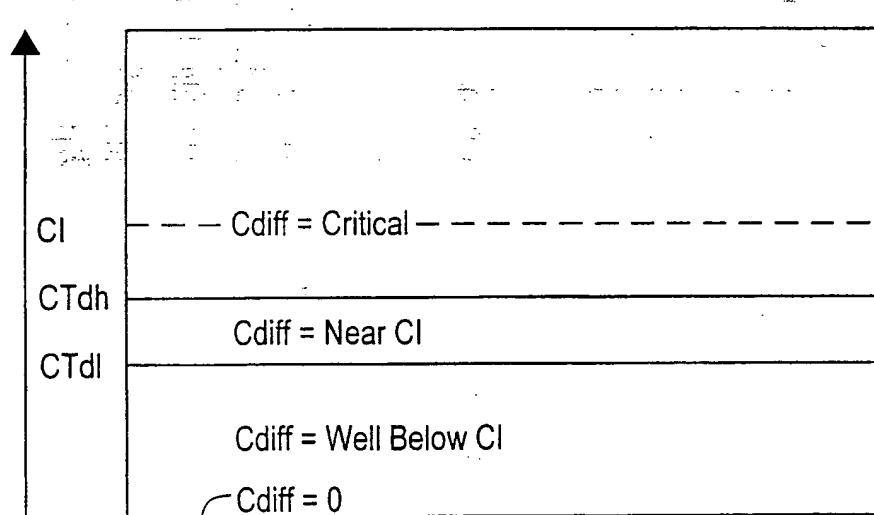
*(Prior Art)*  
*Fig.11*

**Fig. 12**





*Fig.13*



*Fig.14*